

Supplementary Figures

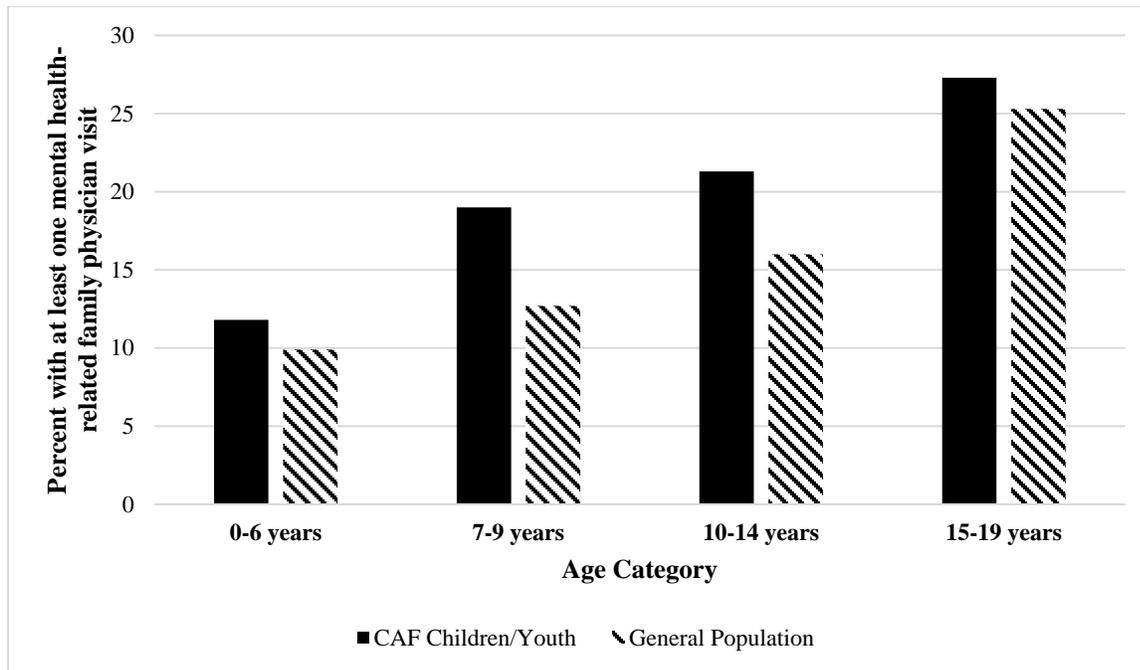


Figure S1: Comparison of outpatient mental health-related family physician visits for children and youth in CAF families and general population comparison cohort, stratified by age

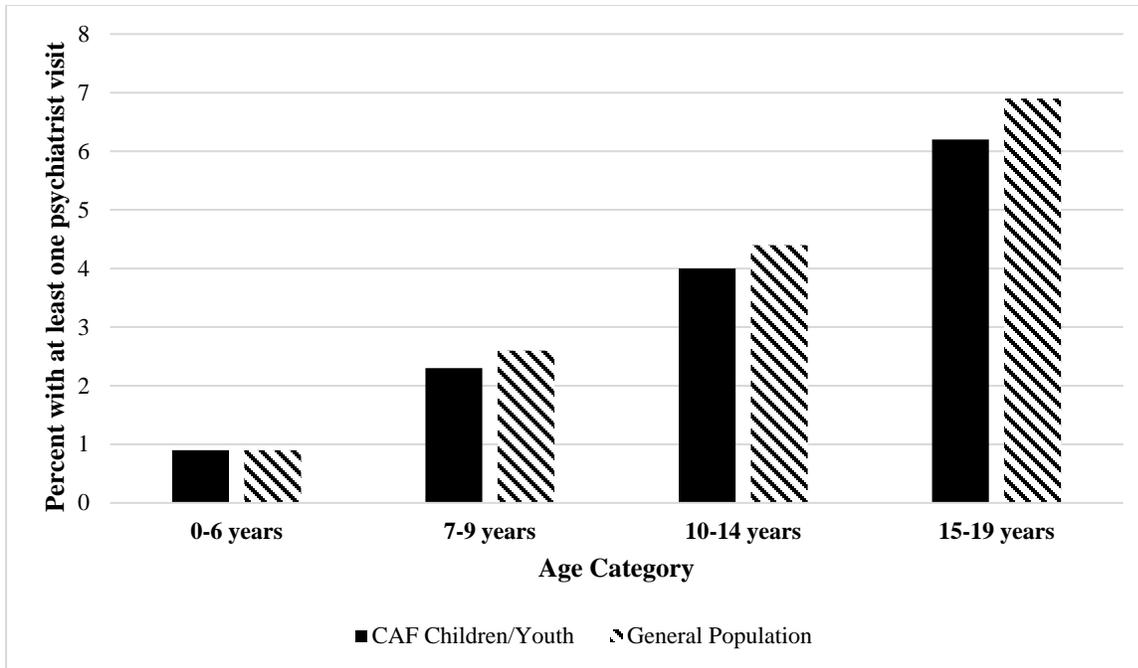


Figure S2: Comparison of outpatient psychiatrist visits for children and youth in CAF families and matched general population, stratified by age

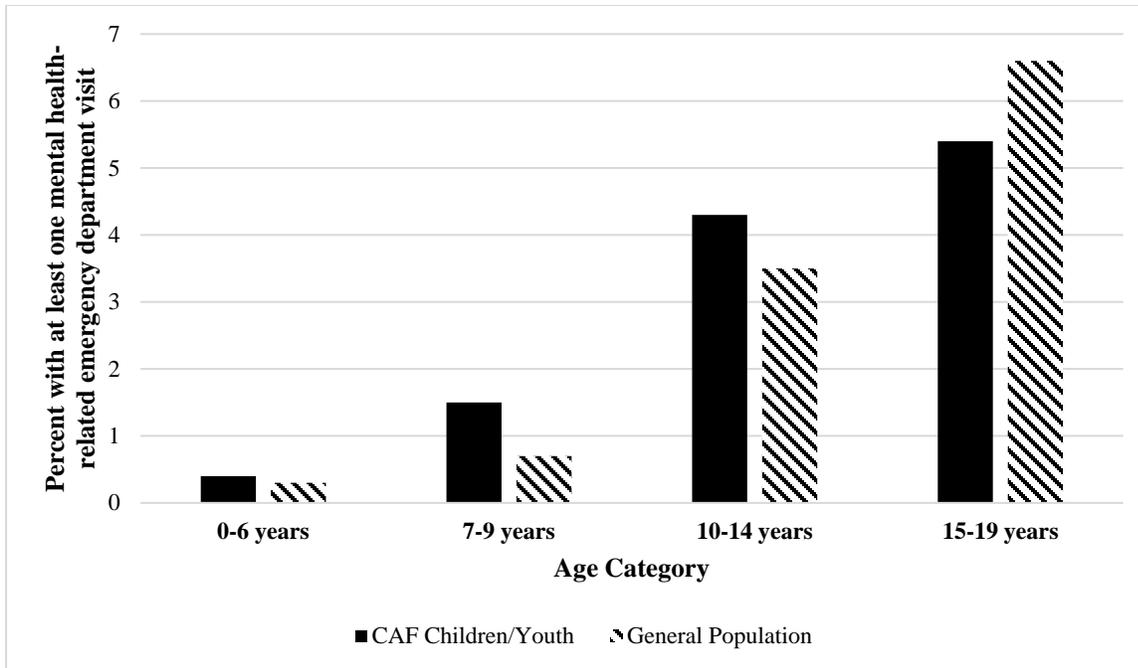


Figure S3: Comparison of psychiatric emergency department visits for children and youth in CAF families and age, sex, and geography matched general population children and youth

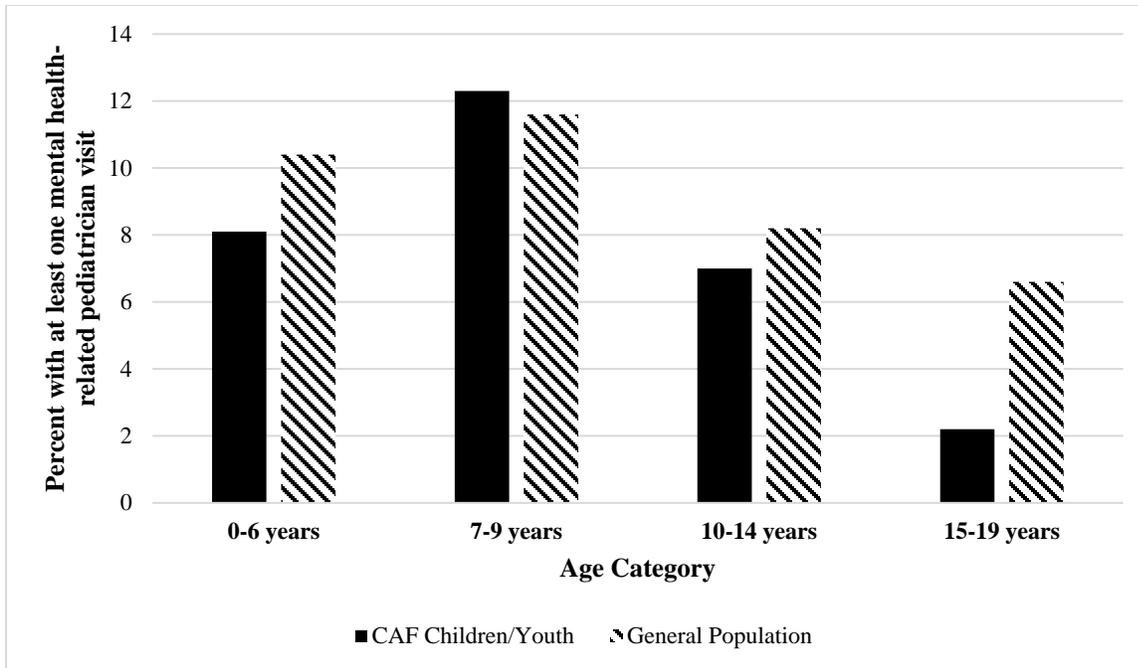


Figure S4: Comparison of outpatient paediatrician visits for children and youth in CAF families and age, sex, and geography matched general population children and youth, stratified by age

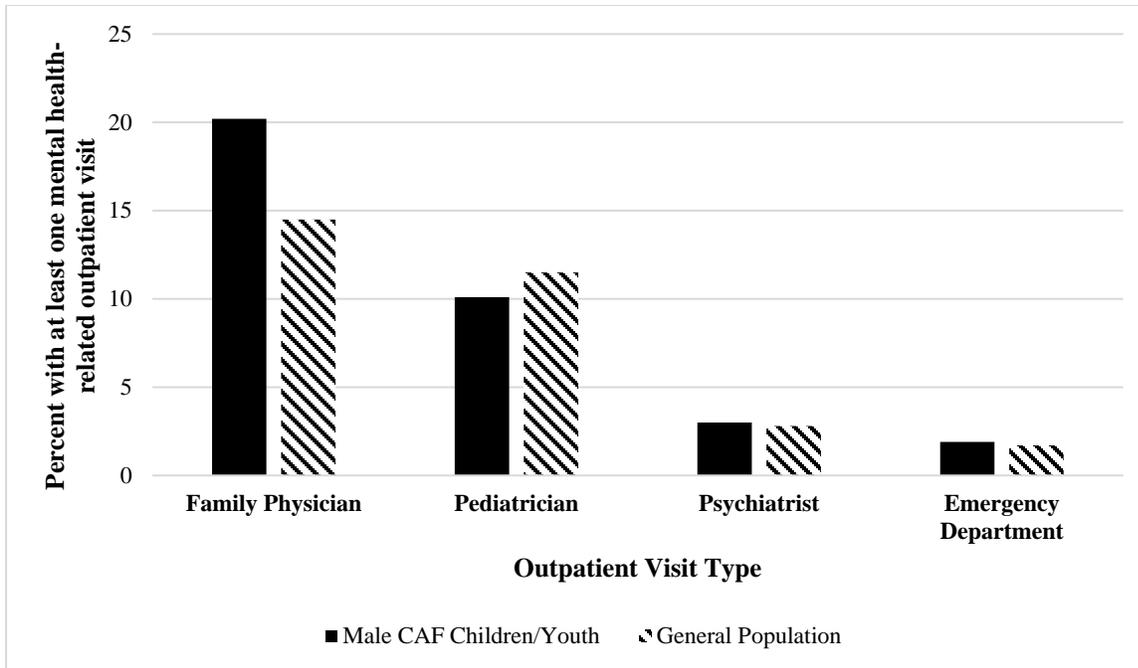


Figure S5: Comparison of mental health related outpatient visits for boys in CAF families and civilians, by physician specialty

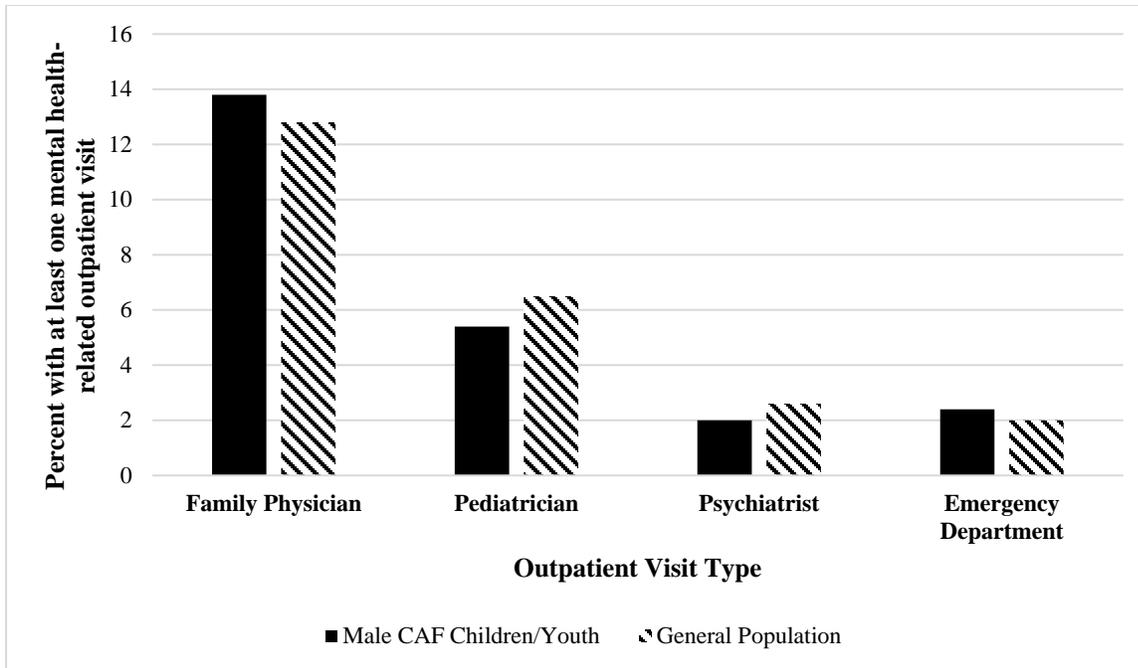


Figure S6: Comparison of mental health related outpatient visits for girls in CAF families and civilians, by physician specialty

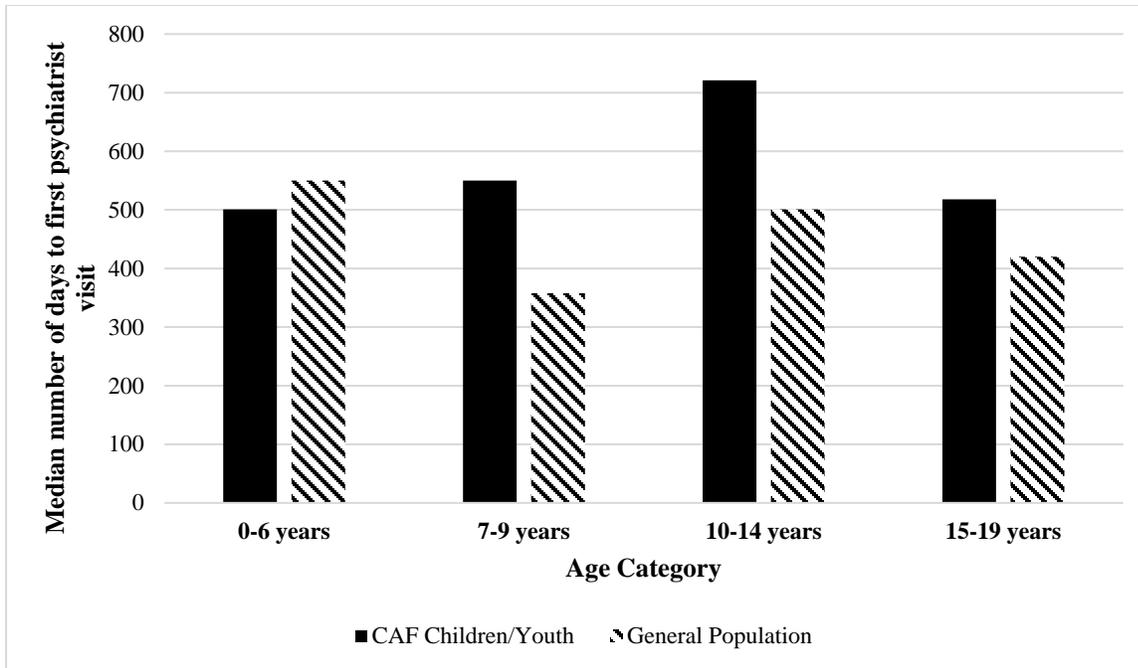
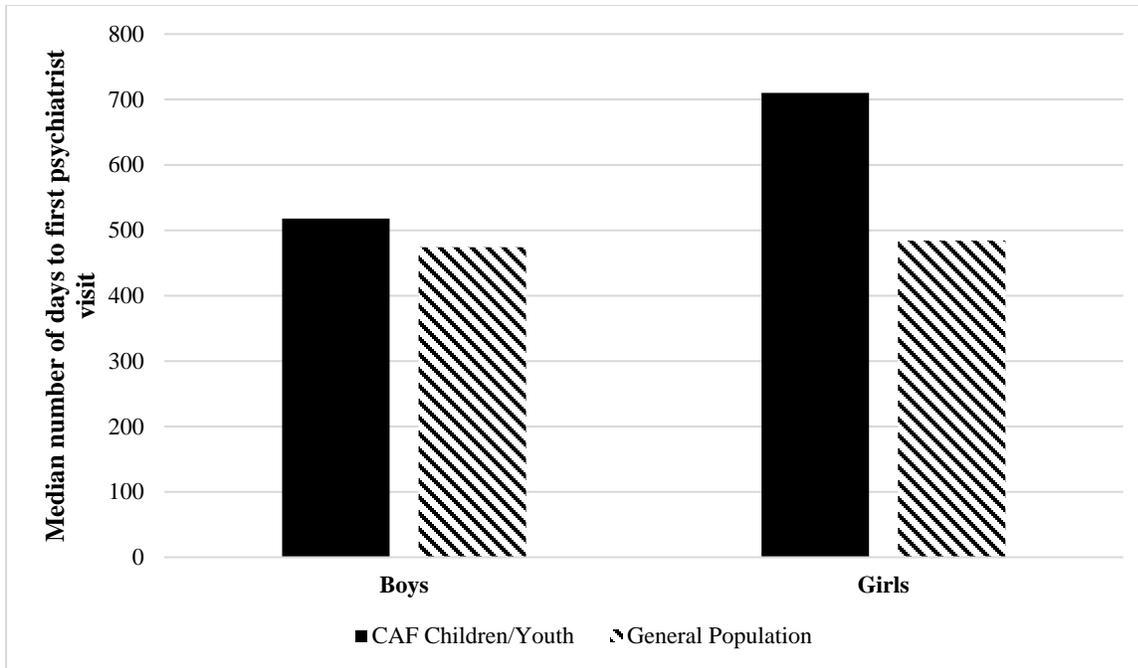


Figure S7: Time to first mental health-related psychiatrist visit for children and youth in CAF families and age, sex, and geography matched general population children and youth, stratified by age



Supplementary Figure S8: Time to first mental health-related psychiatrist visit for children and youth in CAF families and age, sex, and geography matched general population children and youth, stratified by sex

Supplementary Table S1:

Supplementary Table S1: Diagnosis codes and data sources used to identify mental health related health service utilization

Database	Diagnostic Code	Description
OHIP physician billing records ¹	290	Senile Dementia
	291	Alcoholic Psychosis, Korsakov's Psychosis
	292	Drug Psychosis
	295	Schizophrenia
	296	Manic Depressive Psychosis, Melancholia
		Involuntal
	297	Paranoid states
	298	Other psychoses
	299	Childhood psychoses (e.g. autism)
	300	Anxiety, neurosis, claustrophobia, depression-reactive, hysteria, neurasthenia, obsessive compulsive disorder, phobias (all types), suicidal tendencies
	301	Personality disorders (e.g., paranoid personality, schizoid personality, obsessive compulsive personality)
	302	Sexual deviations, frigidity
	306	Sexual dysfunction, psychosomatic disturbances
	307	Habit spasms, tics, stuttering, tension headaches, anorexia nervosa, sleep disorders, enuresis, stuttering
	309	Adjustment reaction
	311	Depressive or Other Non-psychotic Disorder, not classified elsewhere
	313	Behavior Disorders of Childhood and Adolescence
314	Hyperactive child, Hyperkinetic Syndrome of Childhood	
315	Specified delays in development (e.g., dyslexia, dyslalia, motor retardation)	
319	Mental deficiency, retardation	
CIHI/NACRS ICD-10	F00-F09	Organic, including symptomatic mental disorders
	F10-F19	Mental and behavioural disorders due to psychoactive substance use
	F20-F29	Schizophrenia, schizotypal and delusional disorders
	F30-F39	Mood (affective) disorders
	F40-F49	Neurotic, stress-related and somatoform disorders

	F50-F59	Behavioural syndromes associated with physiological disturbances and physical factors
	F60-F69	Disorders of adult personality and behaviour
	F70-F79	Mental retardation
	F80-F89	Disorders of psychological development
	F90-F98	Behavioural and emotional disorders with onset usually occurring in childhood and adolescence
	F99	Unspecified mental disorder

¹Based on ICD-9 (International Statistical Classification of Diseases and Related Health Problems, 9th Revision); OHIP: Ontario Health Insurance Plan; CIHI-DAD= Canadian Institute of Health Information- Discharge Abstract Database; NACRS= National Ambulatory Care Reporting System

Supplementary Table S2: Median time to first mental health related visits by CAF children and youth and civilians in Ontario stratified by type of mental health encounter*

	Time: median number of days (IQR)	
	CAF children/youth	Civilian children/youth
Mental health related physician visits		
Any outpatient	388 (135 - 674)	400 (130- 717)
Family physician	432 (137 - 699)	490 (213 - 789)
Paediatrician	405 (201 - 684)	355 (114 - 680)
Psychiatrist	583 (354 - 854)	479 (135 - 790)

*In those with at least one visit; IQR=interquartile range